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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
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| 09/699,056 | 10/27/2000 | Steven G. Doughty | 5053-31301 | 6719 |

7590 04/21/2006

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EXAMINER

COLBERT, ELLA

| ART UNIT | PAPER NUMBER |
|----------|--------------|
|----------|--------------|

3624

DATE MAILED: 04/21/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

| | | | |
|------------------------------|--------------------------------------|---|--|
| Office Action Summary | Application No. 09/699,056 | Applicant(s) DOUGHTY, STEVEN G. | |
| | Examiner Ella Colbert | Art Unit 3624 | |

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 06 February 2006.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 81-95 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 81-95 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 27 October 2000 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. Claims 81-95 are pending in this communication filed 02/06/06 entered as Amendment and RCE. Claims 81-95 are new claims and claims 1-80 have been cancelled either in this communication or prior communications.

Continued Examination Under 37 CFR 1.114

2. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 2/06/06 has been entered.

Abstract

3. The Abstract is objected to because: the abstract contains over 150 words.

Applicant is reminded of the proper language and format for an abstract of the disclosure.

The abstract should be in narrative form and generally limited to a single paragraph on a separate sheet within the range of 50 to 150 words. It is important that the abstract not exceed 150 words in length since the space provided for the abstract on the computer tape used by the printer is limited. The form and legal phraseology often used in patent claims, such as "means" and "said," should be avoided. The abstract should describe the disclosure sufficiently to assist readers in deciding whether there is a need for consulting the full patent text for details.

The language should be clear and concise and should not repeat information given in the title. It should avoid using phrases which can be implied, such as, "The disclosure concerns," "The disclosure defined by this invention," "The disclosure describes," etc.

Drawings

4. New corrected drawings in compliance with 37 CFR 1.121(d) are required in this application because Figure 1a element "20" is labeled "System" and the Specification references element "20" as "Computer system 20"; Figure 2 element "308" is labeled "Build processing key value program instructions" and in the Specification element "308" is referenced as "program instructions"; element "304" is labeled "Request PCD Value from PCD C" and in the Specification element "304" is referenced as "request for processing key value" and "new request"; element "314" is labeled "Hardcoded Key definition" and in the Specification element "314" is referenced as "PCD key definition"; and element "320" is labeled "PCD table C" and referenced in the Specification as "PCD table"; Figure 3 a, element "502" is labeled "Business Product Transaction" and in the Specification element "502" is referenced as "transaction"; element "504" is labeled as "Request value from PCDC" and in the Specification element "504" is referenced "request"; element "514" is labeled as "Build Key Value" and in the Specification element "514" is referenced as "program instructions"; element "522" is labeled "Search masks for PDC" and in the Specification element "522" is referenced as "search mask table"; element "508" is referenced as "PCD key definitions" and in the Specification element "508" is referenced as "PCD key definition"; element "516" is labeled "search for key value" and in the Specification element "516" is referenced as "program instructions"; Figure 3b element "502" is labeled "Business product transaction" and in the Specification element "502" referenced as "transaction"; element "514" is labeled "build key value" and in the Specification element "514" is referenced as "program

instructions"; elements "516, 522, and 508" have the same problem as Figure 3a; "processing key value 528" is missing from figure 3b.

Figure 5, element "178" is labeled "PCD values" and in the Specification element "178" is referenced as "parameter values"; Figures 9 and 10 element "218" is labeled "PCD value" and in the Specification element "218" is referenced as "cells" or "PCD data values"; Figure 9 element "216" is labeled "User defined key value" and in the Specification element "216" is referenced as "cells" or "second column"; Figure 13 element "500" is labeled "Get the next data element from the key definition" and element "500" is referenced in the Specification as "first data element read from key definition"; element "504" is labeled "Equal search mask value?" and in the Specification element "504" is labeled "Equal search mask field value?"; element "506" is labeled "Set the processing key field value to the data element value from the transaction data" and in the Specification element "506" is referenced as "processing key element value to current data element"; and element "508" is labeled as "Set the processing key field value to the low collating value of the data element". However, this is not in agreement with the Specification on page 43 in the description of element "508".

The drawings are objected to as failing to comply with 37 CFR 1.84(p)(4) because Figure 3a reference characters "508" and "510" have both been used to designate "OPCD key definitions" or "OPCD key definitions table"; reference characters "514" and "516" have both been used to designate "program instructions". Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing

sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

The drawings are objected to under 37 CFR 1.83(a) because they fail to show in Figure 6 elements "185-187"; Figures 9 and 10 element "214"; Figure 11 elements "192-199"; Figure 12b elements "411, 413, 415, and 417"; Figure 13 element "510" as described in the specification. Any structural detail that is essential for a proper understanding of the disclosed invention should be shown in the drawing. MPEP § 608.02(d). Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The figure or figure number of an amended drawing should not be labeled as "amended." If a drawing figure is to be canceled, the appropriate figure must be removed from the replacement sheet, and where necessary, the remaining figures must be renumbered and appropriate changes made to the brief description of the several views of the drawings for consistency. Additional replacement sheets may be necessary to show the renumbering of the remaining figures. Each drawing sheet submitted after the filing date of an

application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance. Applicant is advised to employ the services of a competent patent draftsman outside the Office, as the U.S. Patent and Trademark Office no longer prepares new drawings. The corrected drawings are required in reply to the Office action to avoid abandonment of the application. The requirement for corrected drawings will not be held in abeyance.

Specification

5. The Specification is objected to because on page 20, line 12 recites "... include a PCD table 320 ...". This line should recite "... include a PCD table C 320 ...". Page 21, lines 7 and 8 have a similar problem. Page 42, line 24 recites "410-414. If there are no more rows ..., ...". This line should recite "410, 412, and 414. If there are no more rows ..., ...". Line 29 recites "the processing loop described by steps 410-418, ...". This line should recite "the processing loop described by steps 410, 412, 414, 416, and 418, ...". Correction is required. See MPEP § 608.01(b).

Claim Rejections - 35 USC § 112

6. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

7. Claims 81, 85, 86, 90, and 95 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claims 81 and 86 recites the limitation " transaction-related data" and the preamble recites "Financial Service Organization". There is no clear recitation that the transaction-related data is financial transaction related data.

Claims 81 and 86 further recite "search masks". It is unclear from the drawings and the Specification what is meant by "search masks".

Claims 81 and 86 also recite "transferring one of the one or more data element values read ... indicating that the ...". This claim limitation appears to be redundant as written. Suggestion: "transferring one or more data element values read ... indicating the ...".

Claims 85, 90, and 95 recite "A method, A system, and a carrier medium wherein the plurality of key definitions are stored in one or more ..., each key definition table ..., wherein reading the key definition from the database ...". This claim limitation is unclear. There appears to be a disconnect between the "plurality of processing parameter tables" and "wherein reading the key definition from the database" takes place. Applicants' are respectfully requested to review claims 84, 89, and 94 to determine how to clarify the claim language.

Claim 81 further recites "transferring a wildcard value to the first processing key value ... indication a wildcard value ...". Page 2, line 12 recites "one or more additional search masks" and Page 3, lines 3 recites "one or more additional search masks". There is insufficient antecedent basis for this limitation in the claim.

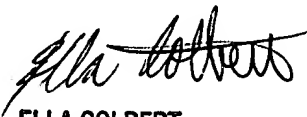
Inquiries

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ella Colbert whose telephone number is 571-272-6741. The examiner can normally be reached on Tuesday-Thursday, 6:30AM-4:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Vincent Millin can be reached on 571-272-6747. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

April 17, 2006


ELLA COLBERT
PRIMARY EXAMINER